

Application No.: 10/772,703

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AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1-41. (canceled).

42. (Currently amended) A radially expandable tube consisting of extruded expanded polytetrafluoroethylene having a microstructure of nodes interconnected by fibrils and having an original inner diameter, wherein said tube is radially pre-dilated from said original inner diameter to an expanded diameter that is at least two times said original inner diameter and is sintered to contract said tube from said expanded diameter to a contracted diameter that is substantially the same as said original inner diameter, said tube exhibiting a radial expansion ratio of 1.0, wherein the radial expansion ratio is defined as the radial expansion coefficient divided by the radial expansion limit, wherein the radial expansion coefficient is defined as the maximum inflation pressure of the tube divided by the percent radial dilation of the tube at the maximum inflation pressure, and wherein the radial expansion limit is defined as the burst inflation pressure of the tube divided by the percent radial dilation of the tube at the burst inflation pressure.

43. (Previously presented) The radially expandable tube according to claim 42, wherein said expanded diameter is at least three times said original inner diameter.

44. (Currently amended) The radially expandable tube according to claim 42 [[43]], wherein said expanded diameter is at least four times said original inner diameter.

45. (Currently amended) The radially expandable tube according to claim 42 [[44]], wherein said expanded diameter is at least five times said original inner diameter.

46. (Previously presented) The radially expandable tube according to claim 42, wherein said tube is attached to an expandable stent.

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47. (New) The radially expandable tube according to claim 43, wherein said tube is attached to an expandable stent.

48. (New) The radially expandable tube according to claim 44, wherein said tube is attached to an expandable stent.

49. (New) The radially expandable tube according to claim 45, wherein said tube is attached to an expandable stent.

50. (New) A highly crystalline porous PTFE product comprising a radially pre-dilated tube having an original inner diameter and a dilated inner diameter greater than the original inner diameter, wherein the radial expansion ratio of the tube is about 1.0.

51. (New) The PTFE product according to claim 50, wherein the tube is attached to an expandable stent.

52. (New) The PTFE product according to claim 50, wherein the original inner diameter of the radially pre-dilated tube is in the range of about 3 mm to about 6 mm.

53. (New) The PTFE product according to claim 52, wherein the dilated inner diameter of the radially pre-dilated tube is in the range of about 6 mm to about 30 mm.

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